

**SYSTEM AND METHOD FOR DETERMINING AN INPUT SELECTED BY A
USER THROUGH A VIRTUAL INTERFACE**

ABSTRACT

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A system and method for determining which key value in a set of key values is to be assigned as a current key value as a result an object intersecting a region where a virtual interface is provided. The virtual interface may enable selection of individual key values in the set. The position is determined using a depth sensor that determines a depth of the position in relation to the location of the depth sensor. A set of previous key values that are pertinent to the current key value may also be identified. In addition, at least one of either a displacement characteristic of the object, or a shape characteristic of the object is determined. A probability is determined that indicates the current key value is a particular one or more of the key values in the set.